continuously providing feedback based on said information.

3 (currently amended): A method of adjusting the quality of the acoustic signal comprising:

performing frequency domain transform of said acoustic signal ~~determining information about a quality of an acoustic signal~~;

computing signal to noise ratio of said acoustic signal; and

continuously providing a feedback based on said signal to noise ratio ~~quality information~~.

4 (currently amended): The method of claim ~~3~~ 2, ~~wherein said quality information of said acoustic signal is~~ further comprising:

performing detection of signal clipping ~~information.~~

5 (currently amended): The method of claim 3 ~~wherein said quality information of said acoustic signal is a signal-to-noise ratio.~~, further comprising:

using said computed signal to noise ratio to calculate gain adjustment for the amplifier.

6 (original): The method of claim 5, where said signal to noise ratio provides information about placement of a microphone with respect to an audio source.

7 (currently amended): An apparatus comprising a computer-readable storage medium having executable instructions that enable the computer to:

perform frequency domain transform of an acoustic signal;

compute signal to noise ratio of said acoustic signal;

~~determine information about a quality of an acoustic signal~~; and

continuously provide a feedback based on said signal to noise ratio ~~quality information~~.

8 (new): The acoustic signal monitoring system of claim 1, further comprising:

a frequency transform unit configured to transform incoming acoustic signal into frequency domain for calculation in said parameter adjustment element.

9 (new): The method of claim 5, further comprising:

performing puff detection using said calculated said signal to noise ratio; and

advising the user to adjust placement of the microphone that generates said signal.

10 (new): The method of claim 2 wherein said step of comparing further comprising:

calculating the RMS value of said signal; and

comparing said RMS value to a threshold value to determine the on/off state of said microphone.

11 (new): The apparatus of claim 7 wherein said a computer-readable storage medium further having executable instructions that enable the computer to:

use said computed signal to noise ratio to calculate gain adjustment for the amplifier.

12 (new): The apparatus of claim 11 wherein said signal to noise ratio provides information about placement of a microphone with respect to an audio source.

13 (new): The apparatus of claim 11 wherein said a computer-readable storage medium further having executable instructions that enable the computer to:

perform puff detection using said calculated said signal to noise ratio; and

advise the user to adjust placement of the microphone that generates said signal.

14 (new): An apparatus comprising a computer-readable storage medium having executable instructions that enable the computer to:

determine information about an on/off state of a microphone by comparing said signal to a threshold value to determine the on/off state of said microphone; and

continuously provide feedback based on said information.

15 (new): The apparatus of claim 14 wherein said a computer-readable storage medium further having executable instructions that enable the computer to:

performing detection of signal clipping.

16 (new): The apparatus of claim 14 wherein said computer-readable storage medium having executable instructions that enable the computer to determine information about an on/off state of a microphone by comparing said signal to a threshold value to determine the on/off state of said microphone further comprises executable instructions that enable the computer to:

calculate the RMS value of said signal; and

compare said RMS value to a threshold value to determine the on/off state of said microphone.

17 (new): The acoustic signal monitoring system of claim 1 wherein said time series analyzer configured to determine said on/off state by comparing signal from said microphone to a threshold value.

18 (new): The acoustic signal monitoring system of claim 1 wherein one of said frequency domain parameters is signal to noise ratio.